her	ISBN	- 04951883	60	Publisher - Tho	mson Learnin	ng -			
Provided by the Publisher	Biology: Concepts & Applications								
Type - P1 Author - Starr				arr					
ed by	Copyright - 2006 Edition - 6th			h	Readability - 10.4 Flesc				
rovide	Cours	e - Honors Bio	ogy		Grade(s) -	` '			
ā	Teach	er Edition ISBN	l if applicable		0534462324				
		Recommenda Strengths, We		Comments:		Recommended as Basal			
Text designed for an advanced level introductory biology class. Not appropriate for basic students.						ass. Not appropriate for			
CRITERIA This basal resource									
Δ		ompasses KY ectations	Content Sta	ndards & Grade L	evel	Strong EvidenceModerate EvidenceLittle or No Evidence			
☐ Text is designed to be used in an elective course outside the Program of Studies					e the Program of Studies				
1) Includes the 7 Big Ideas of science to the following extent:									
	a) Structure and Transformation of Matterb) Motion and Forces			on of Matter	⊠ Stro	ong Moderate Little N/A			
					Str	ong Moderate Little N/A			
	c)	The Earth and	I the Universe)	Str	ong 🔲 Moderate 🔲 Little 🔀 N/A			
	d)	Unity and Dive	ersity		⊠ Stro	ong Moderate Little N/A			
	e)	Biological Cha	nge		⊠ Stro	ong Moderate Little N/A			
	f)	Energy Transf	ormation		⊠ Stro	ong Moderate Little N/A			
	g)	Interdepender	nce		⊠ Stro	ong Moderate Little N/A			
	un	dresses conte derstandings f Indards.		nduring ted Program of St	udies 🛚 🖂 Stro	ong Moderate Little N/A			
		dresses conte related Progr		kills and concepts s standards.	s from 🔀 Stro	ong Moderate Little N/A			
	4) Co	ntent address	ed is current	, relevant and non	- 🔀 Stro	ong Moderate Little N/A			

trivial 5) Provides opportunities for critical thinking/reasoning Strong Moderate Little N/A 6) Strengths, Weaknesses, Comments: Specific strengths-which areas/concepts are covered exceptionally well? Specific weaknesses-which areas/concepts would likely require supplementing? a) only one copy of periodic table (p 20) f) strong, but with no information about nuclear reactors or wave behavior. 5) The beginning of each chapter has "how Would You Vote" question for discussion. Critical thinking questions at the end of each chapter. **B.** Functionality & Suitability X Strong Evidence **Moderate Evidence** Little or No Evidence 1) Suitability Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind. 2) Content quality Free from factual errors · Content is presented conceptually when possible—more than a mere collection of facts • Content included accurately represents the knowledge base of the discipline Theories/scientific models contained represent a broad consensus of the scientific community 3) Connections to Literacy Note: may apply to either student or teacher editions • Employs a variety of reading levels and is grade/level appropriate Contains pre, during, post reading activities • Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles. Student text provides opportunity to integrate reading and writing • Uses vocabulary that is age and content appropriate • Focuses on critical vocabulary vs. extensive lists Identifies key vocabulary through definitions in both text and glossary Engaging text- does the text facilitate learning? • Does understanding the text require having performed the imbedded activities? 4) Connections to Technology ☐ Strong
☐ Moderate
☐ Little

- Integrates technology and reflects the impact of technological advances
- Uses technology in the collection and/or manipulation of authentic data

5) Support for Diverse Learners	☐ Strong ☐ Moderate ☒ Little
 Provides support for ESL students Provides support for differentiation of instruction in diverse classro Note: may apply only to teacher edition 	ooms
 6) Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong evaluation standards. 	examples for individual
3) term paper topics, library activities and special projects sugnessource Manual. "How would you vote" classroom discussion recommended. Impacts, Issues for Classroom Discussion Idea for Classroom Discussion. "Self Quiz" available at the end of addition, answers in Appendix. Chapter summary for each chapters" at the beginning of each chapter of student text. No chapter objectives, but there is a glossary. 4) available on CD InfoTrac, Web Sites and other Interactive items. 5) text not d learners.	n ideas also as and Additional Ideas each chapter in student apter. "IMPACTS, vocabulary listing or big picture animations,
C. Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence
1) Promotes Inquiry, research and Application of Learning	☐ Strong ☑ Moderate ☐ Little
 Provides opportunities for inquiry and research that includes activitopics, formulating authentic questions, gathering information, resinterviewing, and evaluating information, analyzing and synthesizi findings and conclusions. Requires students to use higher-level cognitive skills (analysis, sy Provides activities and projects for students to deepen their knowl strengthen problem-solving and decision-making skills. Provides opportunities for application of learned concepts. Uses a variety of relevant charts, graphs, diagrams, time lines, an motivate students to engage in discussion, problem solving, and of Emphasizes conceptual understandings that invite students to predevelop and extend ideas to support reasoning. Note: may apply to either teacher or student edition 	earching resources, observing, ng data and communicating nthesis, evaluation, etc.) edge and cultivate and dother illustrations to invite and other high-order thinking skills.
2) Skill Development	☐ Strong ☑ Moderate ☐ Little
 Provides opportunities to make sense of data Provides opportunities for critical thinking and reasoning (analyze 	

solving
Note: may apply to either teacher or student edition

Strengths, Weaknesses, Comment	ıts:
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Student CD contains research and application questions. Term paper topics, library activities and special project suggestions in Instructor's Resource Manual. "How would you vote" classroom discussion ideas also recommended. Instructor's Manual also includes Impacts, Issues for Classroom Discussion Ideas and Additional Ideas for Classroom Discussion. There are limited classroom and laboratory activities in Teacher's Manual. Additional materials would be needed for extensive laboratory and inquiry activities.				
D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence			
1) Engages Students				
 Includes content geared to the needs, interests, and abilities of students Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering. Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels Activities are truly congruent to the concepts addressed, not merely correlated <i>Note: may apply to either teacher or student edition</i> 				
2) Uses Assessment to Inform Instruction	☐ Strong ☑ Moderate ☐ Little			
 Includes multiple means of assessment as an integral part of instruction Provides evaluation measures in the teacher edition that supports differentiated learning activities Embedded assessments reflect a variety of Depth of Knowledge levels Note: may apply to either teacher or student edition Strengths, Weaknesses, Comments: Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards 				
Section introductions have real-life scenarios for students to apply data and "How Would you Vote?" sections. 2) Discussion questions in teacher's manual and chapter reviews.				
E. Has an Organization/ Format that Supports Learning and Teaching	Strong EvidenceModerate EvidenceLittle or No Evidence			
1) Organizational Quality	Strong			

- Print and/or electronic materials present minimal barriers to learners
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size

Included media are durable, easy to use and have technical merit

• Construction appears to be durable and able to withstand normal use

	Strong		Moderate	\times	Little
_	Culong	_	Moderate		

 Items identified as essential components support the learning goals and concept coverage of the basal

3) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Each chapter begins with "IMPACTS, ISSUES" relating to current events. Each chapter begins with illustrations and brief descriptions of the big ideas. Each section has brief paragraph to apply real life issue to the text. No vocabulary listing or chapter objectives, but there is a glossary. Has good appendices with glossary and reference tools. Good layout and balance with text and illustrations. 2) Unable to open student CD, but student text lists: available on CD: big picture animations, InfoTrac, Web Sites and other Interactive items.

F. I	Has avai	lable /	Ancillar	v/ Gratis I	Materials

Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F

Strong Evidence
■ Moderate Evidence
☐ Little or No Evidence

1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Free with purchase: slides (for a slide projector), Transparency Acetates and Masters for Biology, Multimedia Manager: Instructor's Resource CD, ExamView Assessment Suite CDs, ABC News Biology in the Headlines: 2005 on DVD, Hard copy TEST BANK

(all multiple choice), Resources and Issues Integrator (planning tool). Ancillary: available for purchase: Student Interactive Workbook.